Operating Instruction of 019A Burmester Remote

This RCU supports BLE and IR protocol.

1） If the RCU is not paired, the BLE pairing table is empty.
2） At any time, the remote only can pair with one host.
3） All keys send IR code before pairing.
4） When the RCU is not paired yet or disconnected with the host, the RCU will send out IR key code.
5） If the RCU is paired and connected with the host, the RCU will send out BLE HID code.

RF Paring

1) Press the "**Home**" key and "**OK**"key at the same time for 3 seconds, then the RCU will go into the pairing mode and start advertising.
2) During this period, the RedLED will be flashing (200ms ON and 200ms OFF)
3) After RCU goes into pairing mode, press any key before pairing successful will cancel and exit pairing mode.
4) Once pairing is successful, the Red LED will be turned ON for 3 seconds. And the RCU can control the host paired.
5) Paring timeout is60s,
6) BLE Names:
   Burmester Remote

Clear RF Pairing

1) Press "**OK**"and "**Mute**"buttons simultaneously for more than 3 seconds. Then, the Red LED will blink and the RCU erases its pairing data regardless of Host state.
2) During this period, the LED will fast flash (150ms ON and 150ms OFF) until the paired data is deleted.
3) Once the paired data is deleted, the LED will turn ON for 3s.

When the RCU is connected the host,

1 ） The remote will not go into the sleep mode and stay in the standby mode of low power consuming.

2 ） Every 1 minute, the remote will send the heartbeat to the host to ensure the connection.

3 ） Timeout is 5s.

Sleep mode

1) If the remote is not paired, the remote will send IR code and go into the sleep mode after being idle for 3s.
2) In case the remote is paired, if RCU is not connected to the host, the remote will go into the sleep mode after disconnection interval is more than 15s.

Reconnection

1) If the remote is out of range to the host or running out of power, the BLE will be

disconnected to the host.

2 ）Press any key to send the IR code and then reconnect the host

3 ）Timeout = 15s

Low Voltage Detection

1） if V> 2.4V, Do normal operation (Fire IR or BLE HID,…)

2） if 2.2V < V ≤2.4V,

(a) Fire IR or BLE HID,….

(b) The red LED will flash 3 times

3 ）if V ≤2.3V,

(a) Don not Fire IR or BLE HID,….

(b) The red LED will flash 10 times

FCC WARNING

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliancecould void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different
from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help. The device has

been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.